

TRIPURA**GAZETTE***Published by Authority***EXTRAORDINARY ISSUE**

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**PART--I-- Orders and Notifications by the Government of Tripura,
The High Court, Government Treasury etc.**

**GOVERNMENT OF TRIPURA
HEALTH & FAMILY WELFARE DEPARTMENT**

No.F.2(1-277)-MS/ESTT/2017(Sub-I)

Dated, Agartala, the 30th August, 2022.

NOTIFICATION

In exercise of the powers conferred by the proviso to the Article 309 of the Constitution and in supersession of the existing Recruitment rules for the post mentioned herein, the Governor, Tripura hereby makes the following rules regulating the method of recruitment to the post of Laboratory Technician under the Health & Family Welfare Department, namely :-

1. Short title and commencement :-

- (i) These rules may be called the Recruitment Rules for Laboratory Technician under the Health & Family Welfare Department, Government of Tripura ;
- (ii) They shall come into force on and from the date of their publication in the Official Gazette.

2. The name of the post shall be as specified in Sl. No. 1 of the Schedule annexed hereto.

3. Number, classification and scale of pay :-

The number of the said post, its classification and the scale of pay attached thereto shall be as specified in Sl. No. 2 to 4 of the Schedule annexed hereto.

4. Method of recruitment, age limit, qualification etc. :-

The method of recruitment to the said post, age limits, qualifications and other matters relating to the said post shall be as specified in Sl. No. 5 to 14 of the said Schedule.

5. Disqualification :-

- No person – (a) who has entered into or contracted a marriage with a person having spouse living ; or
(b) who, having a spouse living, has entered into or contracted a marriage with any person, shall be eligible for appointment to the said post.
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Provided that the State Government may, if satisfied that such marriage is permissible under the personal law applicable to such person and the other party to the marriage and that there are other grounds for so doing, exempt any person from the operation of this rule.

6. Power to relax :-

Where the State Government is of the opinion that it is necessary or expedient so to do, it may, by order, for reasons to be recorded in the writing, relax any of the provisions of these rules with respect to any class or category of persons.

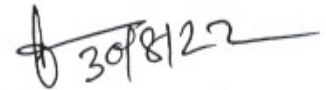
7. Repeal :- The Recruitment Rules for the post of Laboratory Technician existing in the Department are hereby repealed with immediate effect and are replaced by these Recruitment Rules.

8. Savings :-

Nothing in these rules shall affect reservations, relaxation of age limit and other concessions required to be provided for the Scheduled Castes, the Scheduled Tribes, Ex-Servicemen and other special categories of persons in accordance with the Orders issued by the State Government from time to time in this regard.

9. This Notification is issued as per the provisions of the Memorandum of the GA (P&T) Deptt., Govt. of Tripura, issued vide No. F.20(1)-GA(P&T)/18, dated 2nd Jan 2021, and the subsequent Notifications of even no. Dated 17th February, 2021.

By order of the Governor



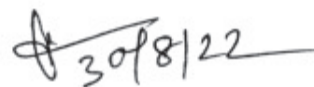
Deputy Secretary to the
Government of Tripura

S C H E D U L E

1. Name of the Post :- **Laboratory Technician**
2. Number of the Post(s) :- 361 (three hundred sixty one) plus additional posts as and when created
3. Classification :- Group – C, Non-Gazetted
4. Scale of Pay :- Pay Level – 9 under Tripura State Civil Services (Revised Pay) Rules, 2018, read with its amendment(s) subject to revision from time to time.
5. Method of recruitment whether by direct recruitment or by promotion or by transfer on deputation and percentage of the vacancies to be filled by various methods :-
I) 100% by direct recruitment. Selection will be through Competitive Examination (Written Examination- 85 % marks and the Interview 15% marks) to be conducted by Institutions/ Board constituted by the Govt. as per the New Recruitment policy vide no. F.20(1)-GA(P&T)/18, dated 5th June 2018, read with the subsequent Notifications of even no. dated 29th October 2020, and 17th February, 2021.

II) Syllabus is enclosed at Annexure-A.
6. Age limit for direct recruitment :- 18 to 40 years. Upper age limit relaxable by 5 years for SC, ST, PH, Ex-serviceman and Government Servants.
7. Education and other Qualifications required for direct recruitment :-
 1. Madhyamik or its equivalent examination from any recognized institute and 3(three) years Diploma in Medical Laboratory Technology from an institute recognized by AICTE/UGC/Govt. recognized Board.
 - Or**
 2. H.S(+2 Stage) with Science passed from any recognized institute and at least 2(two) years Diploma in Medical Laboratory Technology from an institute recognized by AICTE/UGC/Govt. recognized Board.
 - Or**
 3. Bachelor /B.Sc in Medical Laboratory Technology from an institute recognized by AICTE/UGC/ Govt. recognized Board.
 4. Desirable qualification: Knowledge in Bengali or Kokborok.

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| 8. Whether age and educational qualifications prescribed for direct recruits will apply in case of promotion :- | Not applicable |
| 9. Whether Selection post or Non-selection post :- | Selection post. |
| 10. Period of probation, if any :- | 2(two) years |
| 11. In case of recruitment by promotion / transfer on deputation, grades from which promotion / transfer on deputation is to be made :- | Not applicable |
| 12. If a DPC exists, what is its composition? :- | Not applicable |
| 13. Circumstances in which TPSC is to be consulted in making recruitment :- | Not applicable |
| 14. Repeal :- | Existing Recruitment Rules for the post of Laboratory Technician under Health & Family Welfare Department, Government of Tripura Notification No.F.2(1-215)-MS/ESTT/2014(Sub-II), dated 17/02/2016, shall stand repealed. |

 30/8/22

Deputy Secretary to the
Government of Tripura

Annexure-A

Syllabus and Marks

A. BIOCHEMISTRY : Marks : 25

1. **General Biochemistry:**

- Normal /Molar Solutions/Equivalent/Molecular wt.
- PH , Buffer.
- Biochemical test-pre 7Post Dialysis patients.
- Normal range determination & Normal range of Biochemical parameters.
- Proper sample collection, processing and transport of different biochemical specimen.
- Quality control and errors in methodology.
- Waste disposal
- safety measure
- Anticoagulant related with Biochemical test.
- 2. Basic Knowledge regarding instruments :
- Colorimetry
- Spectrophotometry
- Auto-analyzers
- Electrolyte analyzers
- Chromatography/ HPLC
- Computerization
- Electrophoresis
- Arterial Blood gas analyzer (ABG)
- ELISA Technique.
- CLIA
- 3. Clinical Biochemistry
- for blood , urine, CSF & Other body fluids.
- Analysis of Common biochemical parameters-EG Sugar, Urea, Creatinine, Electrolytes etc.
- Analysis of different profiles- Liver heart, Kidney, Thyroid, iron etc.
- 4. Special Biochemistry Test
- Cancer marker
- Estimation of Hormones, Vitamins
- Fertility profile.

B. MICROBIOLOGY Marks : 30

1. General Microbiology:

- Microscope parts, handling and care
- Staining techniques.
- Culture media, preparation of media and sterilization
- Instruments and their maintenance
- 2. Basic Laboratory practices
- Sterilization and disinfection
- Hospital infection control practices.
- Biomedical waste management
- 3. Systemic Bacteriology
- Sample inoculation in culture media
- Antimicrobial sensitivity test
- Gram positive organisms
- Gram Negative organisms.
- 4. Water Microbiology
- 5. Applied Microbiology
- Sample collection, sample processing
- Quality management.
- 6. Parasitology
- Malaria
- Stool examination for OVA,Parasites and cyst.
- 7. Mycology
- Sample collection
- Mycological investigation Techniques – KOH mount, Fungal culture methods ,Lacto phenol cotton blue (LPCB) mount.
- 8. Virology
- Blood borne viruses
- Vector borne viruses
- Viruses cause in Acute Flaccid Paralysis
- Viruses causing Acute Encephalitis Syndrome
- Viruses causing acute Diarrheal Diseases
- Human Immunodeficiency Virus (HIV)
- 9. Outbreak Prone diseases
- Cholera
- Plague
- Influenza
- COVID-19
- Ebola virus disease (EVD)

C. PATHOLOGY Marks 30

Clinical Pathology :

- Collection, Transport, Preservation, and Processing of Lab-Test-samples
- Urine Examination – Collection and Preservation of urine. Physical, chemical, microscopic Examination.
- Examination of CSF and other body fluids.
- Sputum Examination for cytology – preparation of smear..

Haematology

- Collection of Blood samples
- Basic knowledge on constituents of Blood, cellular morphology and functions. Anticoagulants
- Knowledge on various instruments and glassware used in Hematology laboratory (Lab.).
- Lab. Safety measures.
- SI units and conventional units in Hospital Laboratory
- Hb, PCV, ESR
- Blood smear preparation and staining including cytochemical stains.
- TLC, DLC, Platelet count, RBC count.
- Absolute Eosinophil count
- Reticulocyte count
- Calculation of Red cell Indices
- Sickling tests
- Osmotic fragility test
- Demonstration of LE cells.
- Basics of Automated Hematology cell counter
- Basics of Haemostasis.
- Bleeding Time, Clotting Time, Prothrombin Time, Activated Partial
- Thromboplastin Time.

Cytology

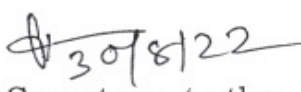
- Normal cell structure & functions.
- Instruments in Cytology
- Types of specimens, methods of collection & preparation of smears.
- Different fixatives and methods of fixation
- Staining :Papanicolaou's stain- principle , preparation and staining techniques May GrunwaldGiemsa stain H & E stain Special stains used in Cytology.

Histopathology

- Receiving of Specimen in the laboratory
- Maintenance of records and filing of the slides.
- Use & care of Microscope
- Various Fixatives, Mode of action, Preparation.
- Grossing Techniques
- Microtome, Microtome-knives, Knife sharpener
- Freezing microtome and Cryostat
- Section Cutting
- Tissue processing for routine paraffin sections
- Decalcification of Tissues.
- Staining of tissues - H& E Staining
- Mounting Techniques – various Mountants
- Bio-Medical waste management
- Basics of Automated Tissue Processor
- Special stains used in Histopathology.

Blood Banking :

- Blood grouping and Rh Typing.
- Cross matching - principle and procedure.


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